



Dam Safety Inspection Form

State of Oregon
Water Resources Department
725 Summer Street NE, Suite A
Salem, Oregon 97301-1271
(503) 986-0900

Name of Dam: Lonesome Lake File #: L-15
Height: 35 ft. Storage: 186 ac. ft. Permit: R 12601 NID #: OR- 03792
Hazard: ☐ Low ☐ Significant ☒ High Inspector(s): Mills, Jacobs District: 9
Others on site: None
Date: 5-3-17 Temperature: 70°F ☒ Dry ☐ Rain ☐ Snow ☐ Now ☐ Recently
Prior Inspection Date: late 2015 Issues from prior inspection: buried outlet
Spillway gets blocked, trees

Rating Criteria: 5-Exemplary; 4-Adequate 3-Maintenance or minor repair needed

2-Serious repair needed; 1- Urgent dam safety issue - action now - Contact owner and dam safety directly

General	Rating
Structures below dam <input type="checkbox"/> New <input type="checkbox"/> Existing <input type="checkbox"/> Request Dam Safety review of hazard rating	—
Distance to dam Dwelling ___ feet Paved public road ___ feet Other building ___ feet	—
Vehicle access <input type="checkbox"/> All weather road <input checked="" type="checkbox"/> Dirt road <input type="checkbox"/> Cross country	3
Detail:	

Reservoir	Pool level: <u>-3.3</u>	Point of Reference: <input checked="" type="checkbox"/> Crest <input type="checkbox"/> Gage _____	Rating
Minimum freeboard	Vertical distance from debris line to lowest place on crest <u>2.8</u> ft.		3-
Debris	<input checked="" type="checkbox"/> Floating Debris/Trash <input type="checkbox"/> Log Boom <input type="checkbox"/> Unusual Conditions		3*
Detail:	<u>*water much higher before clean</u>		

Spillway	<input type="checkbox"/> Earth <input type="checkbox"/> Rock <input type="checkbox"/> Concrete <input checked="" type="checkbox"/> Other <u>culvert</u>	Rating
Modifications	<input checked="" type="checkbox"/> None <input type="checkbox"/> Reduction in capacity <input type="checkbox"/> Feature not on design	—
Approach Channel	<input type="checkbox"/> Clear <input type="checkbox"/> Trees/brush <input type="checkbox"/> Debris <input type="checkbox"/> Erosion <u>just clean!</u>	4
Control Section	<input type="checkbox"/> Concrete <input type="checkbox"/> Rock <input type="checkbox"/> Soil <input checked="" type="checkbox"/> Culvert <input type="checkbox"/> Unstable Width ___ Depth ___	4
Flashboards/Gate	<input checked="" type="checkbox"/> None <input type="checkbox"/> In place <input type="checkbox"/> Operational <input type="checkbox"/> Deteriorated	—
Discharge Channel	<input checked="" type="checkbox"/> Clear <input type="checkbox"/> Trees/brush <input type="checkbox"/> Leakage <input type="checkbox"/> Headcutting (___ feet from spillway control section, depth ___ feet.)	4
Stilling basin	<input type="checkbox"/> N/A <input type="checkbox"/> Functional <input type="checkbox"/> Minor Erosion <input type="checkbox"/> Severe Erosion/Undercutting	—
Aux. Spillway	<input type="checkbox"/> Yes <input type="checkbox"/> No (use comments below)	—
Detail:	<u>24" CMP</u>	

Seepage/Leakage	Rating
Serious conditions <input type="checkbox"/> Leakage <input type="checkbox"/> Piping <input type="checkbox"/> Discolored water <input type="checkbox"/> Boils	—
Locations* <input type="checkbox"/> No evidence <input type="checkbox"/> Center <input type="checkbox"/> Left <input type="checkbox"/> Right <input type="checkbox"/> Around pipe <input type="checkbox"/> On dam	—
Flow <input checked="" type="checkbox"/> Wet vegetation <input checked="" type="checkbox"/> Spongy <input type="checkbox"/> Standing water <input type="checkbox"/> Flow <u>30 gpm</u>	2
Toe drains <input checked="" type="checkbox"/> None <input type="checkbox"/> Working <input type="checkbox"/> Damaged <input type="checkbox"/> Buried	—
Detail:	<u>possibly from conduit</u>

Conduit	Control: <input type="checkbox"/> Manual <input type="checkbox"/> Power <input type="checkbox"/> Other <input type="checkbox"/> Conduit Control missing	Rating
Inlet	<input checked="" type="checkbox"/> Submerged <input type="checkbox"/> Debris on Trash Rack <input type="checkbox"/> Deterioration	—
Trickle tube	<input checked="" type="checkbox"/> None <input type="checkbox"/> Screened <input type="checkbox"/> Blockage <input type="checkbox"/> Deterioration	—
Control/Stem	<input type="checkbox"/> Operable <input type="checkbox"/> Damaged <input type="checkbox"/> Missing <i>Unknown if operable</i>	3
Valve(s) cycling	<input type="checkbox"/> Frozen <input checked="" type="checkbox"/> Unknown <input type="checkbox"/> Past year <input type="checkbox"/> Frequent	3
Pipe	Diameter/Size: _____ Material _____ Condition <i>buried</i>	—
Primary outlet	<input checked="" type="checkbox"/> Overgrown <input type="checkbox"/> Clean <input type="checkbox"/> Pressurized <input type="checkbox"/> Leaking _____ gpm	2
Other outlet(s)	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Type(s) _____ Diameter(s) _____ in.	—
Detail:		

Structure of dam	<input checked="" type="checkbox"/> Earth <input type="checkbox"/> Rock <input type="checkbox"/> Concrete <input type="checkbox"/> Other	Rating
Distress	<input type="checkbox"/> Cracks - offset _____ in <input type="checkbox"/> Landslide(s) <input type="checkbox"/> Sinkhole(s) <input type="checkbox"/> Crest Settlement <input type="checkbox"/> Narrow crest <input type="checkbox"/> Wave erosion <input type="checkbox"/> Trampling <input type="checkbox"/> Surface erosion <i>None</i>	4
Locations*		—
Other	Describe _____	—
Aux. dike (s)	<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> over 5	—
Animals	<input type="checkbox"/> Nutria <input type="checkbox"/> Badger Other _____ <input type="checkbox"/> Unknown	Rating
Burrows	<input type="checkbox"/> Observed max diameter _____ in max depth _____ ft <input type="checkbox"/> Trails <i>None</i>	4
Locations*		—
Vegetation		Rating
Cover	<input type="checkbox"/> Low grass <input type="checkbox"/> high grass <input type="checkbox"/> brush <input type="checkbox"/> blackberries <input type="checkbox"/> small trees <input checked="" type="checkbox"/> large trees	3-
Locations*	<i>downstream face and toe</i>	—
Impairs inspection	<input type="checkbox"/> toe seepage <input type="checkbox"/> conduit outlet <input type="checkbox"/> spillway <input type="checkbox"/> upstream face <input type="checkbox"/> downstream face	—
Detail:	<i>Dam is very wide, trees mostly affect ab. lity to inspect dam</i>	

*Locations – Upstream face, Crest, Downstream face, Left and Right abutments, Toe

Expedited Re-inspection Needed: ☐ Next Inspection Date: _____

Other Issues or Additional Detail Needed:
